

Lake District National Park

Forecast valid from 06:00 on Monday 11 Mar 2024 until 23:59 on Tuesday 12 Mar 2024
Forecast Issued on Monday 11 Mar 2024 at 02:10

Confidence: High for an unsettled weather pattern through the week but moderate for details.

Headline for Monday 11 Mar 2024: A cloudy but mostly dry day on Monday.

Mountain weather hazards on Monday 11 Mar 2024		
Blizzards No Likelihood	Heavy persistent snow No Likelihood	Storm force winds No Likelihood
Gales No Likelihood	Severe chill effect Low Likelihood	Poor visibility Low Likelihood
Thunderstorms No Likelihood	Heavy persistent rain No Likelihood	Strong sunlight No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy
Precipitation probability					
20%	20%	20%	20%	30%	30%

Forecast for Monday 11 Mar 2024

Weather: A rather cloudy day on Monday with perhaps some brighter spells during the morning. Largely dry throughout, however there is the chance of a little light rain or drizzle at times from thicker cloud.

Chance of cloud-free hill tops above 800m: 30-40%

Low cloud and visibility: Scattered or broken cloud base 500-700m, lifting a little to 600-800m later in the morning. Visibility poor in hill fog, otherwise good.

Forecast for Monday 11 Mar 2024

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	11/14 E	4/5 SE	5/8 SW	4/6 W	4/5 W	7/9 S	13/16 S
600	10/13 NE	5/7 E	5/7 W	4/6 NW	4/5 W	6/10 S	11/16 S
300	8/14 NE	4/7 E	4/7 NW	3/6 NW	2/3 W	2/7 S	4/11 S
Valley	10/14 NE	3/5 S	4/7 W	3/5 W	2/4 W	1/5 E	2/9 SE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	4/1	1/-1	1/-2	1/-1	1/-1	1/-2	1/-4
600	2/-2	2/0	3/1	4/2	3/1	3/0	2/-2
300	3/0	5/3	6/4	6/5	5/4	5/4	4/3
Valley	7/4	6/5	8/6	8/7	7/6	7/6	6/5
Freezing Level*	1400m	1400m	1100m	1300m	1100m	1200m	1100m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Feeling cold at height, be prepared with appropriate layers.

Forecast for Tuesday 12 Mar 2024

Weather: Cloudy but dry through the overnight period but rain arriving from the west by around dawn. This light and patchy at first but turning heavier and more persistent by midday, continuing through the rest of the day but easing at times.

Maximum wind: Southeasterly 15-20 mph, gusting 35 mph at times

Chance of cloud-free hill tops above 800m: 20-30%

Low cloud and visibility: Scattered or broken cloud base 500-700m, lowering 400m at times in heavier rain. Visibility moderate in rain and poor in hill fog, improving in drier interludes.

Temperature: **Valleys:** Plus 5 rising to plus 10 Celsius
 At 800m: Plus 1 rising to plus 5 Celsius
 Freezing level: 1000m at first, soon rising above summits

Ground Conditions Supplement

Date: Sunday 10 March. Location: Raise summit at 11:10. Temperature: plus 0.7 deg C. Maximum wind speed 40.6mph
.Wind chill: minus 9.4 deg C. Average wind speed: 34.2mph

Full report: A wet and windy day with a mixture of rain, sleet, and snow over the higher tops with a slow thawing of any lying snow below 900m. The snow level starts at roughly 700m, and depth generally increases with height from a couple of inches up to boot deep (and deeper where snow has drifted). There is a marked difference between shaded north-facing slopes which often still have continuous snow cover, to the more sunny south-facing slopes which have more fragmented snow patches. There is a significant amount of snow on the Helvellyn plateau at the moment and some of the paths are buried under the snow making navigation and route finding challenging in any poor visibility. Most of the lying snow is consolidated although it was soft and wet today, and ice is present, particularly where snow has been compressed by walker's feet. Swirral and Striding edge (and other similar routes in area) are a mixture of exposed rock, snow, and ice and require good care and judgment. Microspikes/crampons and an ice axe are strongly recommended. The windchill (feels-like) temperature on the top today was around -9°C and anyone who stood still, even for short periods would get very cold very quickly. Full winter clothing (warm and waterproof) including spare warm layers, hats and gloves, and equipment including a map, compass, and headtorch are all essential. Microspikes and walking poles are also very useful in the current conditions.

Issued at: 02:10 on Mon 11 Mar 2024